

Compu-former® Radiotherapy Compensator Mold Cutting System

Compu-former® helps deliver uniform radiation over an entire treatment field. It produces a mold used to make a compensator that provides radiation beam attenuation to “compensate” for inhomogeneity. The mold is cut from a foam block using a highly accurate CNC milling machine. A Windows® driven program interfaces with treatment planning systems for quick, accurate beam compensation.

Radiotherapy teams worldwide depend on Huestis Medical ISO9001, EN46001 and CE certified beam compensator systems. Our dedication to quality is a commitment to radiotherapy accuracy.

Features:

Uniform Radiation Dosage

- Delivers uniform radiation dosage over the entire treatment area.
- Creates a compensating filter mold which provides radiation beam attenuation to “compensate” for inhomogeneity.

Treatment Planning Interfaces

- Digitized files can be transferred from treatment planning systems.
- Treatment planning file conversion is built in to ensure seamless integration.
- Inhomogeneity corrections can be accomplished through TPS interface.

Versatile Options

- Compu-former® offers an efficient and economical package including computer, menu-driven program.
- CNC milling machine and supplies. Optional digitizing package includes magnetic source, hand-held sensor, and non-metallic procedure table.

Manual Digitizing Option

- Hand-held digitizing stylus works with a low energy magnetic field generator to record patient contours.
- Data is converted to X, Y, Z coordinates and averaged into smooth contours.
- Contours can be viewed on screen from any beam's eye view to verify accuracy.
- Non-metallic procedure table included.

Precision Milling Accuracy

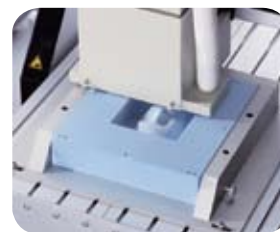
- Three-axis CNC milling machine ensures milling accuracy of ± 1 mm.
- Cuts offset registration holes in block to ensure proper orientation of the compensator on lexan tray.
- Produces repeatable, accurate, and fast cuts for unmatched effectiveness.
- Compact design saves space: 34 in x 34 in x 52 in (86 cm x 86 cm x 132 cm).
- Electrical Requirements: 120 VAC, 60 Hz, 10A (220 VAC, 50 Hz, 5A option).

Ease of Use

- Milling can be done remotely, at any time, freeing valuable treatment space.
- Uses pre-cut, 10 in x 10 in x 2 in foam blocks (25.4 cm x 25.4 cm x 5.1 cm).
- Produces compensators up to approximately 22 cm (8.7 in) square.
- Changes for reduction ratio and treatment geometry are programmed into the procedure.
- Built-in vacuum removes foam chips.

Compensating Material

- User-definable compensating material.
- A stainless steel powder, gypsum and water mixture is recommended.
- This easy-to-use mixture is readily available from Huestis Medical.



Extremely Accurate

Computerized, three-axis milling machine ensures cutting accuracy. Milling can be done quickly, remotely and at any time.



NEW Windows Based Software

Included computer system features a Windows® based, menu-driven program that is easy to use with minimal training.

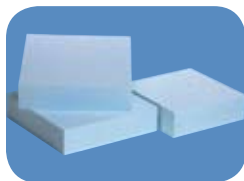
Model TC-5005 LT



Compu-former® Digital Versatility

Our modular Compu-former® design allows operators to easily transfer files from treatment planning systems or trace contours with an optional hand digitizer.

Designed for treatment planning, our new Beam Modulation Workstation links our Compu-former® and Compu-cutter® systems for quick, precise compensator milling and block cutting accurate to ±1 mm.



Foam Blocks

Ask about our line of compensator accessories. Our medium density, fine grain structure foam blocks have a smooth finish for easy release.



Modular Design

Designed for versatility, the stand-alone milling machine may be used through treatment planning, or supplied as a fully integrated system including a hand digitizer.



Integrated Beam Modulation Workstation

Our Compu-former® beam compensation milling machine and Compu-cutter® block cutter can be linked to a single work station.



Compensating Material

Our water soluble, stainless steel powder/gypsum mixture helps ensure accuracy by reducing voids in thin compensator sections.

COMPU-FORMER MODELS

Model Number	Data Acquisition	Computer w/Monitor	Mounting Assembly	Integrated Systems	Machine Width	Machine Depth	Machine Height
TC-5005 LT Compu-former	Treatment Planning	Included (remote)	Included (2)	N/A	34.0 in (86.4 cm)	34.0 in (86.4 cm)	52.0 in (132.1 cm)
BMW-2000 Linked System	Treatment Planning	Included (shared)	Included (2)	TC-5005 LT CC-1000 LTX	N/A (see below)	N/A (see below)	N/A (see below)
BMW-2001 Linked System	Radiograph Digitizer*	Included (shared)	Included (2)	TC-5005 LT CC-1000 LT	N/A (see below)	N/A (see below)	N/A (see below)

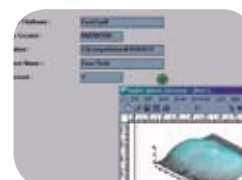
RELATED COMPU-CUTTER MODELS

Model	Radiograph Digitizer	Computer w/Monitor	Printer	Cutting Bay	Machine Width	Machine Depth	Machine Height
CC3-1002 Compu-cutter	N/A (optional)	Included (remote)	Included (remote)	Included (modular)	28.0 in (71.1 cm)	28.0 in (71.1 cm)	30.25 in (76.8 cm)
CC3-1000 Compu-cutter	Included (remote)*	Included (remote)	Included (remote)	Included (modular)	28.0 in (71.1 cm)	28.0 in (71.1 cm)	30.25 in (76.8 cm)

COMPENSATOR ACCESSORIES

Model Number	Product Description	Included Quantity
SFB102	10 in x 10 in x 2 in Foam (25.4 cm x 25.4 cm x 5.1 cm)	35 Blocks Per Case
TC-195	Gypsum/Stainless Compensating Material	25 lbs Container
TC-375	Mixing Bowl (for Gypsum/stainless)	1 each
TC-197	Modified Lexan Tray (w/mounting clamps)	1 each
TC-DICOM	DICOM RT Upgrade (complete software)	1 each

*BMW-2001/ CC3-1000 are also compatible w/ treatment planning interfaces for data acquisition. Electrical requirements (all cutters): 120 VAC, 60 Hz, 10A (Optional 220 VAC, 50 Hz, 5A). Ask about our complete "Mold Room Kits" including hot plate with rheostat, stainless pitcher, cooling tray, alloy #158, foam blocks, masking tape, lexan trays, thermometer and mold release.



Treatment Planning Interfaces

Digitized files are easily transferred from treatment planning interfaces. Treatment planning file conversion is built-in to each Compu-former® to ensure seamless integration.